

WHAT IS CLAIMED IS:

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1. A drive transmission apparatus comprising:

a first coupling portion having a polygonal

5 shape;

a second coupling portion having a hole  
portion which has a cross-sectional configuration  
larger than said first coupling portion, said hole  
portion being engageable with said first coupling  
portion; and

10 a center shaft provided on said first  
coupling or said second coupling, said center shaft  
penetrating the other one of said first and second  
coupling.

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2. An apparatus according to Claim 1, wherein  
said first coupling portion receives a driving force  
from said second coupling portion.

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3. An apparatus according to Claim 1, wherein  
said second coupling portion is movable in an axial  
direction of said center shaft, and is provided with  
an urging means for urging said second coupling in the  
axial direction of said center shaft.

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4. An apparatus according to Claim 1, wherein  
said center shaft has a taper configuration at the end

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portion.

5. An apparatus according to Claim 1, wherein  
said first coupling portion has a twisted projection  
having a polygonal cross-section.

6. An apparatus according to Claim 1, wherein  
the hole portion of said second coupling portion has a  
polygonal cross-section.

10 7. An apparatus according to Claim 5 or 6,  
wherein said polygonal hole portion of said second  
coupling portion is twisted.

15 8. An apparatus according to Claim 1, wherein  
said center shaft is rotatable integrally with said  
first and second coupling portions.

9. An apparatus according to Claim 8, further  
comprising brake means actable on said center shaft in  
its circumferential direction.

20 10. An apparatus according to Claim 9, wherein  
said brake means applies a frictional force to said  
center shaft.

25 11. An apparatus according to Claim 10, wherein

the frictional force is applied by an elastic member contactable to said center shaft.

12. An apparatus according to Claim 9, wherein  
5 said brake means is a powder-brake.

13. An apparatus according to Claim 9, wherein  
said brake means is provided with a torque!!.

10 14. An apparatus according to Claim 9, wherein  
said brake means includes magnetic force applying  
means for applying a magnetic force to said center  
shaft.

15 15. An image forming apparatus comprising:  
a photosensitive member;  
charging means for charging said  
photosensitive member;  
image forming means for forming an  
20 electrostatic image on said photosensitive and charged  
by said charging means;  
developing means for developing the  
electrostatic image;  
transferring means for transferring the image  
25 developed by said developing means onto a recording  
material;  
a driving source;

a driver for transmitting a driving force from said driving source to said photosensitive member;

5       a first coupling portion having a polygonal shape;

          a second coupling portion having a hole portion which has a cross-sectional configuration larger than said first coupling portion, said hole portion being engageable with said first coupling portion; and

10      a center shaft provided on said first coupling or said second coupling, said center shaft penetrating the other one of said first and second coupling;

15      wherein said photosensitive member has one of said first coupling portion and said second coupling portion, and said driver as the other coupling portion.

20      16. An apparatus according to Claim 15, wherein said first coupling portion receives a driving force from said second coupling portion.

25      17. An apparatus according to Claim 15, wherein said photosensitive member is positioned currently relative to said image forming apparatus using said center shaft.

18. An apparatus according to Claim 15, wherein  
said center shaft has a taper configuration at the end  
portion.

5       19. An apparatus according to Claim 15, wherein  
said first coupling portion has a twisted projection  
having a polygonal cross-section.

10      20. An apparatus according to Claim 15, wherein  
the hole portion of said second coupling portion has a  
polygonal cross-section.

15      21. An apparatus according to Claim 15, wherein  
said polygonal hole portion of said second coupling  
portion is twisted.

22. An apparatus according to Claim 15, wherein  
8. An apparatus according to Claim 1, wherein said  
center shaft is rotatable integrally with said first  
20 and second coupling portions.

23. An apparatus according to Claim 15, further  
comprising brake means actable on said center shaft in  
its circumferential direction.

25      24. An apparatus according to Claim 23, wherein  
said brake means applies a frictional force to said

center shaft.

25. An apparatus according to Claim 24, wherein  
the frictional force is applied by an elastic member  
5 contactable to said center shaft.

26. An apparatus according to Claim 23, wherein  
said brake means is a powder-brake.

10 27. An apparatus according to Claim 23, wherein  
said brake means is provided with a torque.

15 28. An apparatus according to Claim 23, wherein  
said brake means includes magnetic force applying  
means for applying a magnetic force to said center  
shaft.

20 29. An apparatus according to Claim 15, wherein  
said transferring means includes an intermediary  
transfer member.

25 30. An apparatus according to Claim 15, wherein  
said photosensitive member is a part of a unit  
including process means actable on said photosensitive  
member.

31. An apparatus according to Claim 30, wherein

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said process means includes at least one of said charging means, said developing means and cleaning means for cleaning photosensitive member.

5       32. A process unit which is detachably mountable to an image forming apparatus having a driving portion, said process unit including process means attachable on the photosensitive member, said process unit comprising:

10              a first coupling portion having a polygonal shape and engageable with the driving portion of the main assembly of the apparatus;

15              a hole portion engaged with a center shaft penetrating an engaging portion between said first coupling portion and the driver.

33. A process unit according to Claim 32, wherein said process unit is positioned correctly relative to said image forming apparatus using said center shaft.

20       34. A process unit according to Claim 32, wherein said center shaft has a taper configuration at the end portion.

25       35. A process unit according to Claim 32, wherein said first coupling portion has a projection having a polygonal cross-section.

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36. A process unit according to Claim 35, wherein  
said polygonal portion is twisted.

5       37. A process unit according to Claim 32, wherein  
said first coupling portion has a hole portion having  
a polygonal cross-section.

10      38. A process unit according to Claim 37, wherein  
said hole portion is twisted.

15      39. A process unit according to Claim 32, wherein  
said center shaft is rotatable integrally with said  
first coupling.

20      40. A process unit according to Claim 39, further  
comprising brake means actable on said center shaft in  
its circumferential direction.

25      41. A process unit according to Claim 40, wherein  
said brake means applies a frictional force to said  
center shaft.

30      42. A process unit according to Claim 41, wherein  
the frictional force is applied by an elastic member  
contactable to said center shaft.

43. A process unit according to Claim 40, wherein  
said brake means is a powder-brake.

44. A process unit according to Claim 40, wherein  
5 said brake means is provided with a torque!!.

45. A process unit according to Claim 40, wherein  
said brake means includes magnetic force applying  
means for applying a magnetic force to said center  
10 shaft.

46. A process unit according to Claim 32, further  
comprising a photosensitive member.

15 47. A process unit according to Claim 46, wherein  
said first coupling portion is provided on said  
photosensitive member.

48. A process unit according to Claim 32, wherein  
20 said process means includes at least one of said  
charging means, said developing means and cleaning  
means for cleaning photosensitive member.